

FFFFFFFF	000000	RRRRRRRR	IIIIII	DDDDDDDD	AAAAAA	TTTTTTTT	EEEEEEEE					
FFFFFFFF	000000	RRRRRRRR	IIIIII	DDDDDDDD	AAAAAA	TTTTTTTT	EEEEEEEE					
FF	00	00	RR	RR	II	DD	DD	AA	AA	TT	TT	EE
FF	00	00	RR	RR	II	DD	DD	AA	AA	TT	TT	EE
FF	00	00	RR	RR	II	DD	DD	AA	AA	TT	TT	EE
FF	00	00	RR	RR	II	DD	DD	AA	AA	TT	TT	EE
FFFFFFFF	00	00	RRRRRRRR	RRRRRRRR	II	DD	DD	AA	AA	TT	TT	EEEEEEEE
FFFFFFFF	00	00	RRRRRRRR	RRRRRRRR	II	DD	DD	AA	AA	TT	TT	EEEEEEEE
FF	00	00	RR	RR	II	DD	DD	AAAAAAAAAA	AAAAAAAAAA	TT	TT	EE
FF	00	00	RR	RR	II	DD	DD	AAAAAAAAAA	AAAAAAAAAA	TT	TT	EE
FF	00	00	RR	RR	II	DD	DD	AA	AA	TT	TT	EE
FF	00	00	RR	RR	II	DD	DD	AA	AA	TT	TT	EE
FF	000000	000000	RR	RR	IIIIII	DDDDDDDD	DDDDDDDD	AA	AA	TT	TT	EEEEEEEE
FF	000000	000000	RR	RR	IIIIII	DDDDDDDD	DDDDDDDD	AA	AA	TT	TT	EEEEEEEE

```

LL          IIIIIII
LL          IIIIIII
LL          II
LL          II
LL          II
LL          II
LL          II
LL          II
LL          II
LL          II
LL          II
LL          II
LL          II
LLLLLLLLLLL IIIIIII
LLLLLLLLLLL IIIIIII
SSSSSSSSS
SSSSSSSSS
SS
SS
SS
SS
SSSSSS
SSSSSS
SS
SS
SS
SS
SSSSSSSSS
SSSSSSSSS

```


FOR\$IDATE
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15-SEP-1984 23:53:01 VAX/VMS Macro V04-00

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HISTORY ; Detailed Current Edit History
DECLARATIONS
FOR\$IDATE - return month, day, year as INTEGER*2

FOR\$IDATE
1-002

; Time and date as short integers I 15

15-SEP-1984 23:53:01 VAX/VMS Macro V04-00
6-SEP-1984 10:56:21 [FORRTL.SRC]FORIDATE.MAR;1

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```
0000 1 .TITLE FOR$IDATE ; Time and date as short integers
0000 2 .IDENT /1-002/ ; File: FORIDATE.MAR
0000 3
0000 4
0000 5 *****
0000 6 *
0000 7 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
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0000 24 *
0000 25 *
0000 26 *****
0000 27
0000 28
0000 29 FACILITY: FORTRAN SYSTEM LIBRARY
0000 30 ++
0000 31 ABSTRACT:
0000 32
0000 33 Return current month, day, and year as one-word integer values.
0000 34
0000 35 --
0000 36
0000 37 VERSION: 0
0000 38
0000 39 HISTORY:
0000 40
0000 41 AUTHOR:
0000 42 Jonathan M. Taylor, 17-Aug-77: Version 0
0000 43
0000 44 MODIFIED BY:
0000 45
0000 46
0000 47
```


FOR\$IDATE
1-002

J 15
; Time and date as short integers 15-SEP-1984 23:53:01 VAX/VMS Macro V04-00 Page 2
HISTORY ; Detailed Current Edit History 6-SEP-1984 10:56:21 [FORRTL.SRC]FORIDATE.MAR;1 (2)

```
0000 49 .SBTTL HISTORY ; Detailed Current Edit History
0000 50
0000 51
0000 52 ; Edit History for Version 0 of FOR$IDATE
0000 53
0000 54 : 0-2 - Remove FOR$FLAG_JACKET. TNH 11-July-78
0000 55 : 1-001 - Update version number and copyright notice. JBS 16-NOV-78
0000 56 : 1-002 - Add '-' to the PSECT directive. JBS 22-DEC-78
```

FOR\$IDATE
1-002

: Time and date as short integers K 15
DECLARATIONS

15-SEP-1984 23:53:01
6-SEP-1984 10:56:21

VAX/VMS Macro V04-00
[FORRTL.SRC]FORIDATE.MAR;1

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(3)

```
0000 58 .SBTTL DECLARATIONS
0000 59
0000 60 :
0000 61 : INCLUDE FILES:
0000 62 : oerr.mar
0000 63 :
0000 64 :
0000 65 : EXTERNAL SYMBOLS:
0000 66 :
0000 67 :
0000 68 :
0000 69 : MACROS:
0000 70 :
0000 71 :
0000 72 :
0000 73 : PSECT DECLARATIONS:
0000 74 : .PSECT _FOR$CODE PIC, SHR, LONG, EXE, NOWRT
0000 75 :
0000 76 :
0000 77 : EQUATED SYMBOLS:
0000 78 :
0000 79 :
0000 80 :
0000 81 : OWN STORAGE:
0000 82 : none
```



```
0000 84 .SBTTL FOR$IDATE - return month, day, year as INTEGER*2
0000 85
0000 86 :++
0000 87 : FUNCTIONAL DESCRIPTION:
0000 88
0000 89 : FOR$IDATE uses system service $NUMTIM to get date information.
0000 90 : This information is converted to the appropriate type and stored
0000 91 : through the addresses passed as parameters.
0000 92
0000 93 : CALLING SEQUENCE:
0000 94
0000 95 : CALL FOR$IDATE (month.ww.r, day.ww.r, year.ww.r)
0000 96
0000 97 : INPUT PARAMETERS:
0000 98
0000 99 : month.ww.r adr of word to place month (1-12) integer
0000 100 : day.ww.r adr of word to place day (1-31) integer
0000 101 : year.ww.r adr of word to place year (0-99)integer
0000 102
0000 103 : IMPLICIT INPUTS:
0000 104 : NONE
0000 105
0000 106 : OUTPUT PARAMETERS:
0000 107 : NONE
0000 108
0000 109 : IMPLICIT OUTPUTS:
0000 110 : NONE
0000 111
0000 112 : COMPLETION CODES:
0000 113 : NONE
0000 114
0000 115 : SIDE EFFECTS:
0000 116 : SIGNALs Integer Overflow (this should never happen)
0000 117
0000 118 :--
0000 119
0000 120
0000 121
0000 122 .ENTRY FOR$IDATE, *M<IV>
0002 123 SUBL #16, SP ; save 8 words for $NUMTIM
0005 124 MOVL SP, R0 ; R0 -> data area
0008 125 $NUMTIM_S (R0) ; get system time values
0013 126 MOVZWL (SP)+, R0 ; R0 = "year since 0"
0016 127 CLRL R1 ; R0 is now a quadword value
0018 128 EDIV #100, R0, R0, R0 ; R0 = two digit year value
0021 129 MOVW R0, @12(AP) ; return year
0025 130 MOVW (SP)+, @4(AP) ; return month
0029 131 MOVW (SP), @8(AP) ; return day
002D 132 RET ; return
002E 133
002E 134
002E 135 .END
```

```
50 50 50 00000064
5E 10 4000 0000 122
50 5E D0 0002 123
50 8E 3C 0005 124
51 D4 0008 125
0C BC 50 B0 0013 126
04 BC 8E B0 0016 127
08 BC 6E B0 0018 128
04 0021 129
0025 130
0029 131
002D 132
002E 133
002E 134
002E 135
```

FOR\$IDATE
SYSS\$NUMTIM

00000000 RG
***** G

01
01

+-----+

! Psect synopsis !

+-----+

PSECT name	Allocation	PSECT No.	Attributes																
ABS	00000000	(0.)	00 (0.)	NOPIC	USR	CON	ABS	LCL	NOSHR	NOEXE	NORD	NOWRT	NOVEC	BYTE					
_FOR\$CODE	0000002E	(46.)	01 (1.)	PIC	USR	CON	REL	LCL	SHR	EXE	RD	NOWRT	NOVEC	LONG					

+-----+

! Performance indicators !

+-----+

Phase	Page faults	CPU Time	Elapsed Time
Initialization	29	00:00:00.05	00:00:00.84
Command processing	105	00:00:00.55	00:00:03.53
Pass 1	98	00:00:00.53	00:00:02.79
Symbol table sort	0	00:00:00.00	00:00:00.00
Pass 2	38	00:00:00.34	00:00:01.47
Symbol table output	2	00:00:00.02	00:00:00.12
Psect synopsis output	2	00:00:00.01	00:00:00.01
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	276	00:00:01.52	00:00:08.78

The working set limit was 900 pages.
 1677 bytes (4 pages) of virtual memory were used to buffer the intermediate code.
 There were 10 pages of symbol table space allocated to hold 2 non-local and 0 local symbols.
 135 source lines were read in Pass 1, producing 11 object records in Pass 2.
 2 pages of virtual memory were used to define 2 macros.

+-----+

! Macro library statistics !

+-----+

Macro library name	Macros defined
_\$255\$DUA28:[SYSLIB]STARLET.MLB;2	2

13 GETS were required to define 2 macros.

There were no errors, warnings or information messages.

MACRO/ENABLE=SUPPRESSION/DISABLE=(GLOBAL,TRACEBACK)/LIS=LISS\$:FORIDATE/OBJ=OBJ\$:FORIDATE MSRC\$:FORIDATE/UPDATE=(ENH\$:FORIDATE)

0180

AH-BT13A-SE
 VAX/VMS V4.0

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